

REMARKS

Claims 1-19 are pending in the application and stand rejected. The Examiner=s reconsideration of the claim rejections and objections is respectfully requested based on the above amendments and following remarks.

Claim Objections

Claim 14 was objected to for improper dependency. Claim 14 has been amended to depend from claim 13. Therefore, withdrawal of the objection is requested.

Claim Rejections - 35 U.S.C. § 102

Claims 1-4, 6-10, 12-17 and 19 stand rejected as being anticipated by Ono et al. (U.S. Patent No. 6,332,683). It is respectfully submitted that at the very least, claims 1, 7 and 10 are patentably distinct and patentable over Ono.

Indeed, Ono does not disclose or suggest systems or methods for illuminating a target point in a real scene by *capturing a digital image of the scene, identifying image coordinates of a target point in the digital image, and using the identified image coordinates to project a light beam at the target point in the real scene corresponding to the target point in the digital image*, as essentially recited in claims 1, 7 and 19.

To begin, Applicants respectfully disagree with Examiner's contention that Ono discloses capturing image data of a scene (in Col 6, lines 40-44, and Fig. 1, crystal plate (4)). The characterization of the crystal plate 4 of Ono as being an image capturing device is *in stark contrast* to the express teachings of Ono. Indeed, Ono discloses (in Col. 5, lines 5-7) that the plate (4) is a *transmission type* liquid crystal display plate that operates as a fixed eye marker (F) displaying element. Moreover, in the portion of Ono (Col. 6, lines 40-47) relied on by Examiner, Ono teaches that the marker (F) is projected onto the eye E by means of the plate 4 (and other

elements 1, 3, 5, 6, and 7). Thus, the plate 4 is a device that is used for projecting a pattern onto the scene, but clearly not for capturing an image of the scene.

Furthermore, in view of the fact that Ono does not disclose that the plate (4) is a device for method for *capturing a digital image of the scene*, it necessarily follows that Ono does not disclose *identifying image coordinates of a target point in the digital image*, much less *using the identified image coordinates to project a light beam at the target point in the real scene corresponding to the target point in the digital image*, by virtue of the plate (4) and methods for projection the marker pattern (F), as contended in the Office Action.

Further, although Ono discloses a one-dimensional CCD (26) for picking up and imaging a tracking beam as a vessecular image E_v' to track movement thereof, Ono discloses using the captured image signal waveform to calculate as the position information of the vessecular image E_v' , the movement amount x from a tracking reference position of the vessecular image E_v' , and such amount x is used for driving the mirror 11 to correct the movement amount x (see, Col. 8, lines 39- Col. 9, line 2. However, this teaching is not the same as identifying image coordinates of target point in the captured digital image, and projecting beam of light at the corresponding target point in the real scene, as claimed.

Therefore, for at least the above reasons, claims 1, 7 and 10 are patentable over, and not anticipated by, Ono. Further, claims 2-4, 6, 8, 9, 12-17 and 19 are patentable over, and not anticipated by, Ono at least by virtue of their dependence from respective base claims 1, 7 or 10. Accordingly, withdrawal of the anticipation rejections is requested.

Claim Rejections - 35 U.S.C. § 103

Claim 11 stands rejected as being unpatentable over Ono. Further, claims 5 and 18 stand rejected as being unpatentable over Ono in view of U.S. Patent No. 5,359,363 to Kuban et al.

The obviousness rejections are based, in part, on the assertion that Ono discloses all elements of base claims 1 and 10. However, claim 11 is patentable over Ono for at least the same reasons given above for claim 10, from which claim 11 depends. Further, claims 5 and 18 are patentable over the combination of Ono and Kuban for at least the same reasons given above for claims 1 and 10, from which claims 5 and 18 depend, respectively. Clearly, without elaboration, Kuban does not cure the deficiencies of Ono as discussed above with regard to claims 1, 7 and 10. Accordingly, withdrawal of the obvious rejections is respectfully requested.

Respectfully submitted,

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